

Patent Case: ID01152

Appl. No. 09/825,423
Response dated July 17, 2006
Reply to Office Action of March 7, 2006

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Amendment to the Claims

The listing of claims will replace all prior versions of claims in the application:

Claim 1 (currently amended) An isolated polypeptide ~~selected from the polypeptides~~ defined by the amino acid sequence set forth in SEQ ID NO: 3, SEQ ID NO: 5, SEQ ID NO: 6, ~~and or~~ SEQ ID NO: 17.

Claim 2 (previously presented) The polypeptide of claim 1, defined by the amino acid sequence set forth in SEQ ID NO: 17.

Claim 3 (previously presented) The polypeptide of claim 1, defined by the amino acid sequence set forth in SEQ ID NO: 3.

Claim 4-6 (cancelled).

Claim 7 (currently amended) The polypeptide of claim 1, defined by the amino acid sequence set forth in SEQ ID NO: 5, ~~wherein the amino acid residues at positions 255 to 258 are deleted and replaced by an amino acid sequence selected from SEQ ID NOS: 2, 7, 8, 9, 10, 11, 12, 13, or 14.~~

Claim 8 (previously presented) The polypeptide of claim 1, defined by the amino acid sequence set forth in SEQ ID NO: 6.

Claim 9 (currently amended) An isolated A polypeptide ~~selected from the polypeptides~~ defined by a variant of the amino acid sequence set forth in SEQ ID NO: 3, SEQ ID NO: 5, and SEQ ID NO: 6, wherein the variant consists of ~~which comprises~~ a single amino acid substitution, ~~wherein the amino acid is selected from~~ at Asp 73 or ~~and~~ Arg 81, and wherein the substitution is a nonpolar amino acid.

Claim 10 (cancelled)

Claim 11 (currently amended) A crystalline composition, comprising an isolated polypeptide ~~selected from the polypeptides~~ defined by the amino acid sequence set forth in ~~SEQ ID NO: 3,~~

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~~SEQ ID NO: 5, SEQ ID NO: 6, and SEQ ID NO: 17~~ and the structural coordinates set forth in Table 5.

Claims 12-20 (cancelled).

Claim 21 (new) An isolated polypeptide defined by a variant of the amino acid sequence set forth in SEQ ID NO: 3, SEQ ID NO: 5, or SEQ ID NO: 6, wherein the variant consists of a single amino acid substitution at Asp 73 or Arg 81, and wherein the substitution at Asp 73 is lysine or arginine and the substitution at Arg 81 is glutamic acid or aspartic acid.

Claim 22 (new): An isolated polypeptide defined by a variant of the amino acid sequence set forth in SEQ ID NO: 5, wherein the variant consists of a substitution of the amino acids at positions 255-258 with SEQ ID NO: 7, 8, 9, 10, 11, 12, 13, or 14.